

WE CLAIM:

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1. A reusable sealable plastic drum comprising  
a plastic drum body with a convex upper chime having a convex chime radius,  
a plastic lid having an annular, peripheral mating channel sized to accept said upper  
chime, said channel having an inner wall, an outer wall, a mouth for receiving said upper chime,  
and a base surface for engaging said upper chime, said base surface having a concave radius,  
which is matched to said convex chime radius, and  
a lockband surrounding said outer wall, whereby tightening of said lockband causes said  
concave base radius to fully engage said convex chime radius in a sealing relationship.
2. The reusable sealable plastic drum of Claim 1, additionally comprising an auxiliary  
gasket compressible by said outer wall when said lockband is tightened.
3. The reusable sealable plastic drum of Claim 1, wherein said drum body and said lid are  
made from polypropylene.
4. The reusable sealable plastic drum of Claim 1, wherein said upper chime has a top width  
of about 0.190 inch.
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